

BLM Mapping of Unpatented Mining Claims

This document describes how the land description for a mining claim is defined and mapped in BLM's automated computer systems:

- LR2000 (www.blm.gov/lr2000)
- NILS GeoCommunicator for mapping (www.geocommunicator.gov)

V0609



Mining Claim (MC) Recordation at BLM

- When a mining claim is filed with the BLM it will be recorded in the BLM's automated Mining Claim System, called the Legacy Rehost 2000 or LR2000.
- The mining claimant will file a detailed map of the location which will remain in the case file at the BLM state office.
- LR2000 will record the MC land description only to the quarter section.



Mapping in NILS GeoCommunicator

- After the mining claim is recorded in LR2000 it may be automatically recorded in NILS GeoCommunicator after a few weeks.
- Not all mining claims that are in LR2000 can be converted into NILS GeoCommunicator.
- The main reason they fail is that NILS GeoCommunicator doesn't contain a PLSS land description for the area.



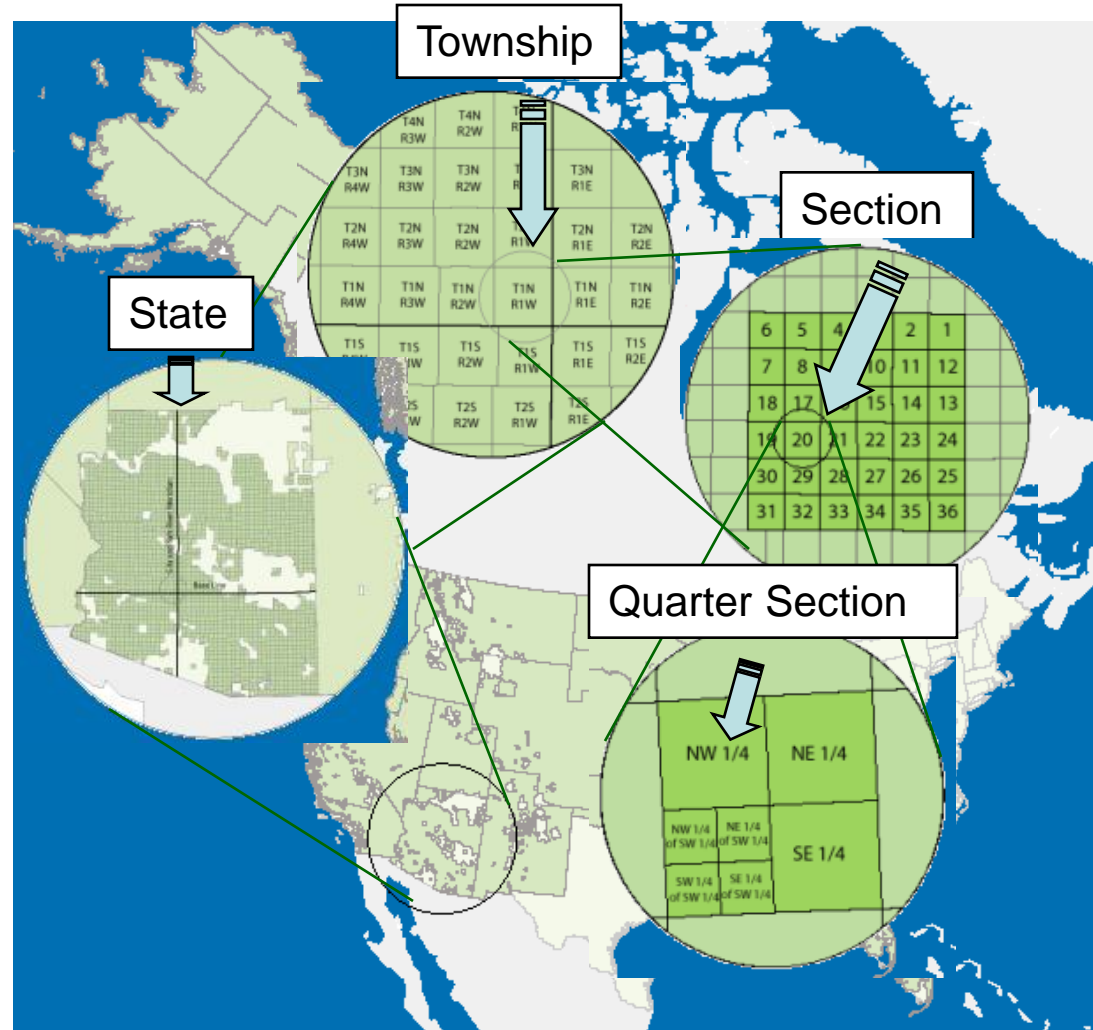
What is PLSS?

- PLSS stands for the Public Land Survey System.
- PLSS is a rectangular-based system that is used to survey the land.
- The following slide describes how the land is defined using the PLSS.



Public Land Survey System

- A set of **baselines** and **principal meridians** that define rectangular divisions of land.
- Townships nominally 6 miles x 6 miles.
- Townships divided into 36 sections.
- Sections can be further subdivided in quarter quarters.



Defining Mining Claim Land Descriptions

The next set of slides describe:

- How the Mining Claim land descriptions are created in LR2000 based on the location of the claim in the section.
- The Mining Claims in NILS GeoCommunicator are mapped using the MC LR2000 land description



Nominal Location to Quarter Section

Section 6 of CO 06 T12N R24W

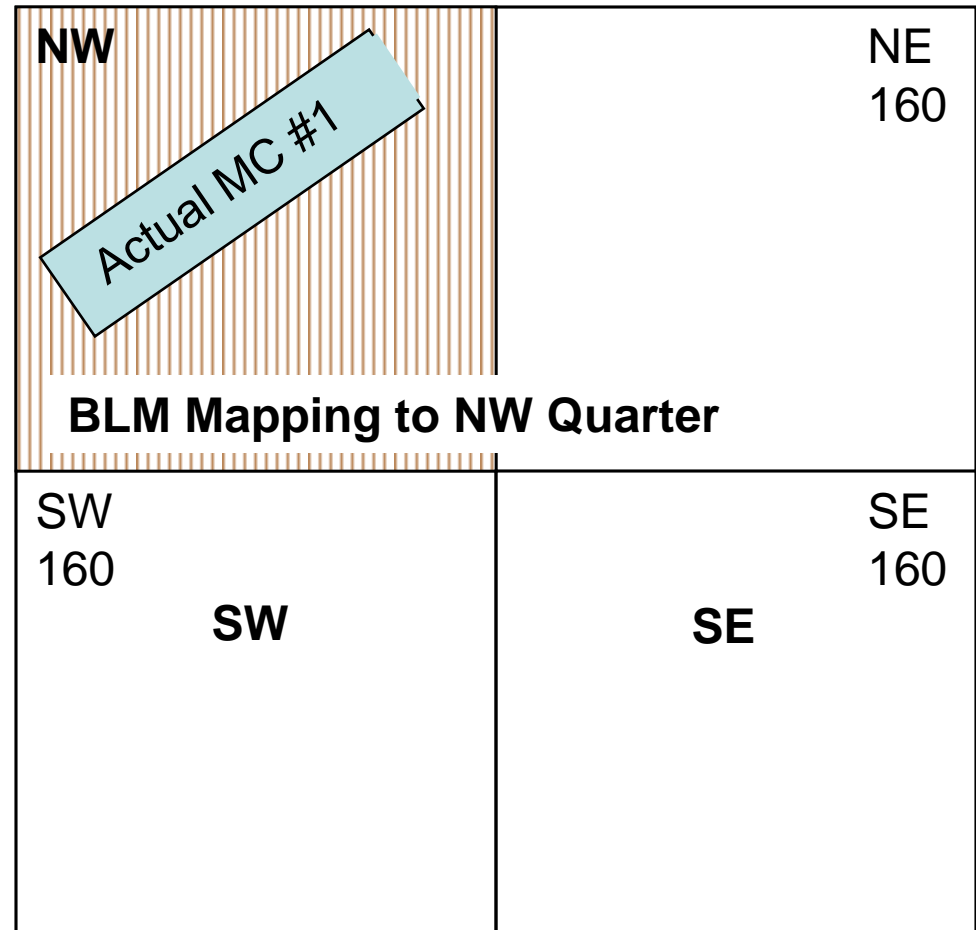
*Mining Claims are **nominally** located to the quarter section.*

LR2000 Land Description

Mer Twp Rng Sec Subdiv

#1- 06 0120N 0240W 006 NW

Mining Claim #1 is defined by all the quarters it is located in.



Nominal Location to Quarter Section

Section 6 of CO 06 T12N R24W

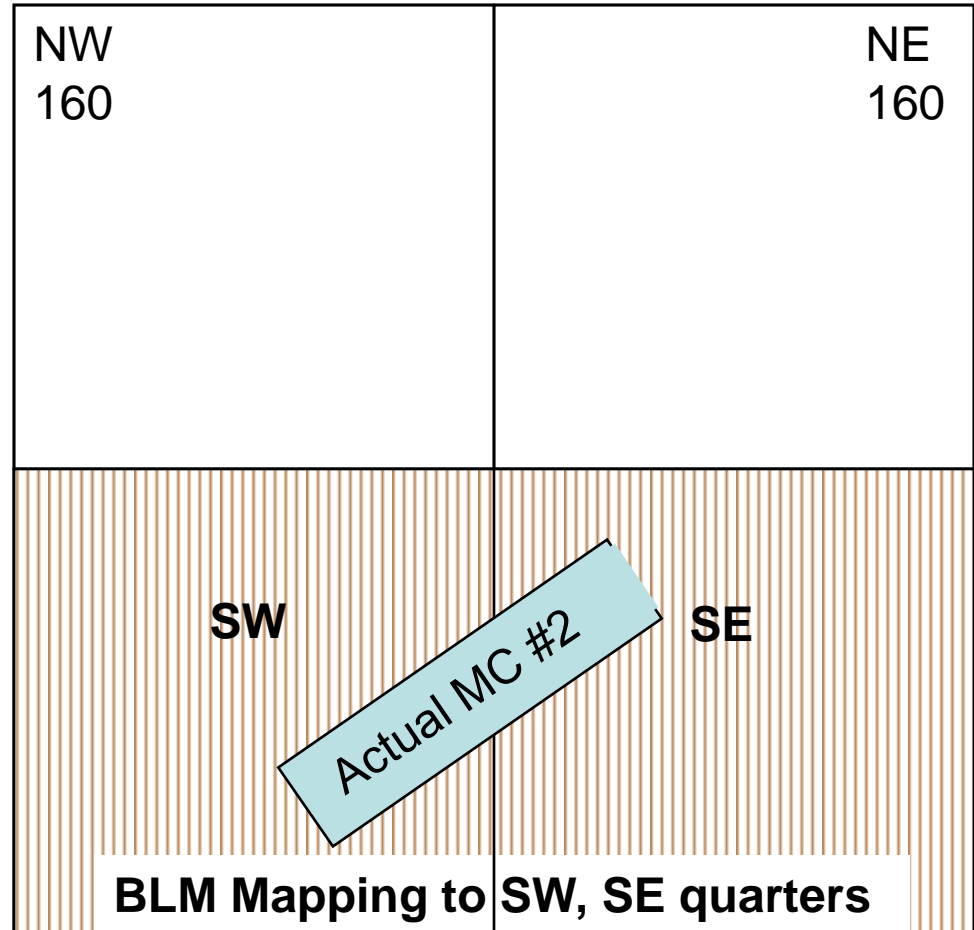
*Mining Claims are **nominally** located to the quarter section.*

LR2000 Land Description

Mer Twp Rng Sec Subdiv

#2- 06 0120N 0240W 006 SW, SE

Mining Claim #2 is defined by all the quarters it is located in.



Nominal Location to Quarter Section

Section 6 of CO 06 T12N R24W

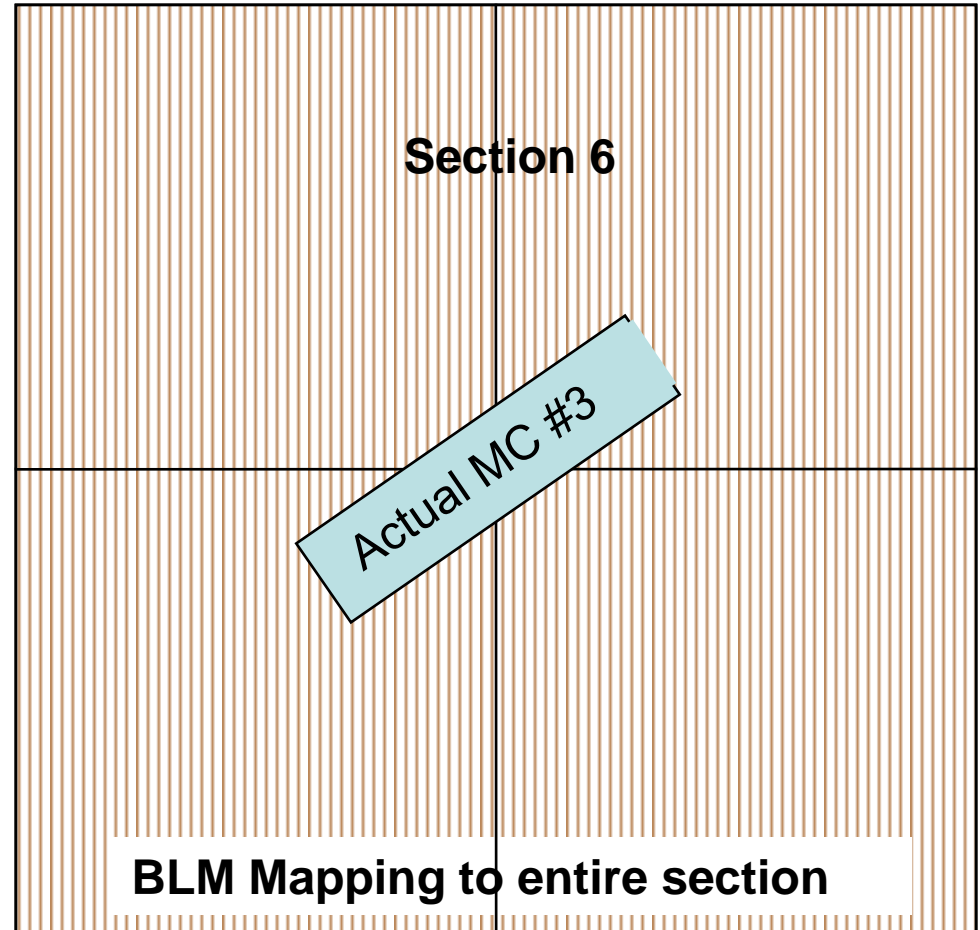
*Mining Claims are **nominally** located to the quarter section.*

LR2000 Land Description

Mer Twp Rng Sec Subdiv

#3- 06 0120N 0240W 006
SW, NW, NE, SE

*Mining Claim #3 is
defined by all the
quarters it is located in.*



Nominal Location to Quarter Section

LR2000 Land Description

Section 6 of CO 06 T12N R24W

Mer Twp Rng Sec Subdiv

#1- 06 0120N 0240W 006 NW

#2- 06 0120N 0240W 006 NW

Mining Claims #1 and #2 are located in the same quarter

They are both defined to the quarter.

They both have the same land description.

